

STAFF

bulletin

UNIVERSITY OF TORONTO



Paul G. Hoffman, managing director of the United Nations Special Fund, will give the address on Monday, March 6, at 8.30 p.m. at a Special Convocation which will be part of the opening ceremonies for the Galbraith Building.



MARCH 1961



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COMING EVENTS

1 WEDNESDAY

- Lectures The Alexander Lectures. "The Poetry of John Donne" by Prof. R. C. Bald, University of Chicago. Third lecture: "The Poet in Society". Hart House Theatre. 4.30 p.m.
- York University series "Four Prophets of Freedom" by Max Freedman, Washington Correspondent, *Manchester Guardian*. Last lecture: "Mahatma Ghandi". Museum Theatre. 4.30 p.m.
- Film French film. "Saint-Exupéry". Room 6, U.C. 1:10 and 1.30 p.m.
- Theatre "The Skin of our Teeth" by Thornton Wilder, presented by Hart House Theatre. Feb. 25—March 4 inc. 8.30 p.m.

2 THURSDAY

- Lectures The Alexander Lectures. "The Poetry of John Donne" by Prof. R. C. Bald. Last lecture: "Divine Contemplations". Hart House Theatre. 4.30 p.m.
- Pontifical Institute of Mediaeval Studies. "St. Thomas and Theological Peace", the Aquinas Lecture by Prof. Etienne Gilson. Carr Hall, St. Michael's College. 8.15 p.m.

4 SATURDAY

- Lecture Royal Canadian Institute. "The International Joint Commission and the St. Lawrence Developments for Power and Navigation". Dr. A. G. L. McNaughton, Chairman, Canada Section, International Joint Commission. Convocation Hall. 8.15 p.m.

6 MONDAY

- Convocation Special Convocation in connection with official opening of the Galbraith Building. Speaker: Paul G. Hoffman, Managing Director, United Nations Special Fund. Convocation Hall. 8.30 p.m.
- Lecture School of Graduate Studies, Department of Botany. "Circulating Systems in Plants". Prof. C. D. Nelson, Queen's University. Room 7, Botany Building. 4.30 p.m.

7 TUESDAY

Lectures

Three special lectures—in connection with opening of the Galbraith Building. All at 10.30 a.m.

“Civil Engineering—Yesterday, Today and Tomorrow” by Robert F. Legget, director, Division of Building Research, National Research Council. Room 1035, Wallberg Building.

“The Many Problems of Communication Satellites” by Dr. J. R. Pierce, director of Research Communications Principles, Bell Telephone Laboratories. Room 102, Mechanical Building.

“Hypervelocity Re-entry Studies at Canadian Armament Research and Development Establishment, Defence Research Board”. Dr. G. V. Bull, D.R.B. Aerophysics Wing. Room 120, Galbraith Building.

Official Opening

The Galbraith Building will be opened by the Hon. J. Keiller Mackay, Lieutenant-Governor of Ontario. 4 p.m.

Lecture

School of Graduate Studies, Department of Botany. Plant Physiology Seminar. “Special Problems in Respiration and Photosynthesis”. Prof. C. D. Nelson. Room 203, Botany Building. 11 a.m.

8 WEDNESDAY

Lectures

The Edgar Stone Lectureship in Drama. “An Approach to the Theatre,” first of two lectures by Harold Clurman. Hart House Theatre. 4.30 p.m.

“Drastic Changes in Modern Interpretation of the Bible”. Rev. Bruce Vawter, C.M., Scriptural scholar from Denver, Colorado. Under auspices of St. Michael's College Alumni Association. Tickets \$1.25 from St. Michael's College or at door. De La Salle College Oaklands Auditorium, Avenue Rd. and Farnham Ave. 8.30 p.m.

9 THURSDAY

Lecture

Institute of Earth Sciences and Astronomy series. “Canada's Fossil Meteorite Craters”. Dr. C. S. Beals, Dominion Astronomer. Room 135, McLennan Laboratory. 4 p.m.

Music

Recital by Russell Oberlin, counter-tenor, with Paul Maynard, harpsichord. Conservatory Concert Hall. 8.30 p.m.

10 FRIDAY

Lecture

School of Graduate Studies and Department of Art and Archaeology. “The Beliefs of a Renaissance Prince (The Tempio at Rimini)”. Prof. Charles Mitchell, Warburg Institute, London; at present at Bryn Mawr College. Room 11, U.C. 4 p.m.

Open House

Mineral Sciences Open House. Programs of film and guided tours by Departments of Mining Engineering, Geological Sciences, Geophysics and Metallurgical Engineering.

Friday: 6.45–10.30 p.m.

Saturday: 9 a.m.–12.45 p.m.

11 SATURDAY

- Lecture Royal Canadian Institute. "The Future of Teaching Machines". Dr. B. F. Skinner, Harvard University. Convocation Hall. 8.15 p.m.

12 SUNDAY

- Films Museum "Knowing our World" series. "Journey into Spring"; "Mirror of Holland"; and "A Trip to the Moon". Museum Theatre. 2.30 p.m.

13 MONDAY

- Open House "Pharmacy Today". Exhibits and Demonstrations by the Undergraduate Pharmaceutical Society. Pharmacy Building, 46 Gerrard St. East.
Monday—4–6 p.m. and 7–10 p.m.
Tuesday—4–6 p.m. and 7–10 p.m.
- Colloquium Department of Mathematics. "A Geometrized Field Theory". D. K. Sen. Room 8, U.C. 4 p.m.
- Lecture School of Architecture. "Nonsensualism". Craig Ellwood, Los Angeles architect. Cody Hall, Nursing Building, Russell Street. 8.30 p.m.

14 TUESDAY

- Film French film. "Colette". Room 6, U.C. 1.10 p.m. Tuesday in French. Wednesday in English.

15 WEDNESDAY

- Lecture The Edgar Stone Lectureship in Drama. "Problems Facing the American Playwright". Second lecture by Harold Clurman. Hart House Theatre. 4.30 p.m.
- Seminar Computation Centre. "Applications of Linear Programming with Integers". F. I. Grossman, International Business Machines Co. Ltd. Room 101, McLennan Laboratory. 4 p.m.

16 THURSDAY

- Department of Slavic Studies. "The Challenge of Change within the Soviet Bloc". Prof. Zbigniew Brzezinski, Columbia University. Room 115, Economics Bldg. 8 p.m.

18 SATURDAY

- Open House School of Architecture, 277 Huron Street. March 18 and 19.
- Lecture Royal Canadian Institute. "Creative Directions in Colour Photography". Ralph M. Evans, Eastman Kodak Company, Rochester. Convocation Hall. 8.15 p.m.

20 MONDAY

- Lectures Department of Romance Languages and Literatures. "Renaissance Literary Problems and the Italian Aesthetic". Prof. Bernard Weinberg, University of Chicago. Room 11, U.C. 4.10 p.m.
- Colloquium Department of Mathematics. "Vector Lattices". H. Nakano (Hokkaido and Queen's). Room 8, U.C. 4 p.m.
- School of Architecture. "Landscape". Hideo Sasaki, Harvard University. Cody Hall, School of Nursing. 8.30 p.m.
- Theatre Central Ontario Drama Festival. Hart House Theatre. March 20-25 inc. 8.30 p.m.

21 TUESDAY

- Lectures The Great Lakes Institute Oceanography and Limnology series. "Effects on Precipitation of Lakes and Oceans". J. P. Bruce. Room 320, Mining Building. 4 p.m.
- Archaeological Institute of America, Toronto Society. "The Results of the Latest Excavations at Sardis". Prof. A. Henry Detweiler, Cornell University. Museum Theatre. 4.30 p.m.
- Colloquium Department of Mathematics. "Foundations of Mathematics". H. Nakano. Room 8, U.C. 4 p.m.
- Film French film. "Foulard de Smyrne" and "Métropolitan". Room 6, U.C. 1.10 and 1.30 p.m. Repeated Wednesday.

23 THURSDAY

- Lectures Institute of Earth Sciences and Astronomy series. "Atmospheric Ozone as an Intermediary in Solar-terrestrial Relationships". Dr. W. L. Godson, Meteorological Service of Canada. Room 135, McLennan Laboratory. 4 p.m.
- School of Graduate Studies and Department of Art and Archaeology. "Rubens as a Collector of Drawings". Prof. Michael Jaffé, King's College, Cambridge, now at Washington University. Room 11, U.C. 4 p.m.
- Theatre "Ruddigore" presented by students of O.C.E. in College Auditorium. March 23, 24 and 25 at 8.20 p.m.

25 SATURDAY

- Lecture Royal Canadian Institute. "More Plants for Man". Dr. W. H. Hodge, of Longwood Gardens, Pa. and United States Department of Agriculture. Convocation Hall. 8.15 p.m.

26 SUNDAY

- Films Museum "Knowing our World" series. "Bow Bells"; "Swedish Summer day"; "The Chairmaker and the Boys"; and "Begone Dull Care". Museum Theatre. 2.30 p.m.

27 MONDAY

- Colloquium Department of Mathematics. "Navier-Stokes Equations". J. L. Lions (Nancy and A.M.S.). Room 8, U.C. 4 p.m.
- Meeting First general meeting of the Faculty Club. Cody Hall, School of Nursing, Russell Street. 8 p.m. sharp. Preceded by buffet dinner at the Club.

28 TUESDAY

- Lecture The Great Lakes Institute Oceanography and Limnology series. "Recent Advances in Studies of Respiration of Fishes". F. E. J. Fry. Room 320, Mining Building. 4 p.m.
- Film French film. "Jules Verne". Room 6, U.C. 1.10 and 1.30 p.m. Repeated Wednesday.

29 WEDNESDAY

- Seminar Computation Centre. "Recent Computer Memories". R. W. McKay. Room 101, McLennan Laboratory. 4 p.m.

APRIL

3 MONDAY

- Colloquium Department of Mathematics. "Boundary-value Problems". C. Schubert. Room 8, U.C. 4 p.m.

4 TUESDAY

- Lecture The Great Lakes Institute Oceanography and Limnology series. "Thermal Regime of Lake Ontario". G. K. Rodgers and D. V. Anderson. Room 320, Mining Building. 4 p.m.

11 TUESDAY

- Colloquium Department of Mathematics. "Cayley Planes" (Part One). Nathan Jacobson, Yale University. Room 8, U.C. 4 p.m.

12 WEDNESDAY

- Colloquium Department of Mathematics. "Cayley Planes" (Part Two). Nathan Jacobson. Room 8, U.C. 4 p.m.
- Seminar Computation Centre. "Reliability in Automata". G. S. Watson. Room 101, McLennan Laboratory. 4 p.m.

14 FRIDAY

- Meeting Royal Astronomical Society of Canada, Toronto Centre. Members have been invited by the Canadian Aeronautical Institute to be guests at its meeting, when the speaker will be Dr. Samuel Herrick, University of California. Room 1035, Wallberg Building. 8 p.m.

NOTES

Arts and Science

Anthropologists in the Northeastern States and Canada are organizing a regional conference which will meet April 15-16, 1961, at the University of Buffalo, Buffalo, N.Y. They hope to attract professionals and graduate students with an interest in problems of this region, whether ethno-historical, economic, medical, or specifically ethnological. Those interested in submitting papers should get in touch with Dr. T. McFeat, Chief Ethnologist, National Museum of Canada, Ottawa. Prof. Fred W. Voget, Department of Anthropology, will be glad to furnish further information.

PROF. VOGET will serve as editor for a special issue of *Human Organization* on the general problem of the American Indian and his economic development within the industrial world. Publication is scheduled for summer, 1961.

PROF. P. H. BRIEGER gave a lecture on Feb. 7 at the College of Christ the King, London, Ont. on "Velasquez: Surrender of Breda".

PROF. G. S. VICKERS lectured on "The Gilded Age: the United States, 1865-1905" at the Art Gallery of Toronto on Jan. 11.

PROF. VICKERS, DR. H. A. BROOKS and DR. L. JOHNSON attended the joint meeting of the College Art Association and the Society of Architectural Historians held in Minneapolis, Jan. 26-28. Prof. Vickers attended the Board of the College Art Association meetings, and Dr. Brooks was elected to the Board of Directors of the Society of Architectural Historians.

PROF. J. W. GRAHAM was on a lecture tour from Feb. 14 to 18 sponsored by the Archaeological Institute of America. He spoke to its local societies in Rochester and Detroit on "Crete and its Antiquities"; on "Problems of Minoan Architecture" at Ann Arbor; and on "Palaces and Tombs of the Homeric Heroes" at Toledo.

PROF. J. ROGER BRAY has been appointed an associate editor of *Ecology*, the journal of the Ecological Society of America.

PROFS. EVILLE GORHAM and J. ROGER BRAY presented papers at the Seminar on Experimental Ecology at the University of Montreal on Feb. 1. Prof. Gorham spoke on "Chlorophyll Derivatives in Aquatic Soils as an Index to Lake Productivity" and Prof. Bray on "The Productivity of Plant Communities in Relation to Chlorophyll Content and Visible Albedo".

DR. PETER YATES gave a paper on "Preparative Reactions of Free Radicals and Phototransformations" at the American Chemical Society meeting in Philadelphia on Feb. 7. Dr. Yates also spoke on "Shellolic Acid" at the Smith, Kline and French Laboratories in Philadelphia on Feb. 8.

PROF. A. D. ALLEN spoke on "Substituent Effects on the Properties of Platinum Complexes" at the Colloquium of the Chemistry Department at McMaster University on Feb. 8.

DR. MICHAEL FALK, Spectroscopy Laboratory, Massachusetts Institute of Technology, gave a talk on "The Existence of H_3O^+ Ions in Aqueous Solutions" at the Department of Chemistry Colloquium on Jan. 27.

DR. E. A. ROBINSON, Department of Chemistry, McMaster University, spoke on "Complexes of Halides and Oxy-Acids with Sulphur Trioxide" at the Chemistry Colloquium on Feb. 3.

PROF. D. MARÍN gave an address on "Contemporary Spain" to the Spanish Club of McMaster University, Feb. 2, and on "Mexican History" to the Círculo Hispánico of Toronto on Feb. 7.

PROF. KURT L. LEVY has been appointed to the Nominating Committee of the American Association of Teachers of Spanish and Portuguese.

PROF. ALEXANDER BRADY lectured in the University of Manitoba on "Canadian Nationalism and the Commonwealth".

PROFS. OSWALD HALL, JEAN BURNET, NATHAN KEYFITZ, B. MACFARLANE and LEO ZAKUTA attended a Research Seminar on "Small Groups" held at McGill University, Jan. 27 and 28.

ANDREW M. WATSON represented the Canadian Political Science Association at a conference of the Lebanese Political Science Association in Beirut early in January.

PROF. J. TUZO WILSON has recently given these lectures: "A Scientist Looks at South America" to the Canadian Inter-American Association; "Science, Education and Production in Red China" to the Economic Club of Detroit; "How to Look at the World" to the Canadian Institute of Chemistry, Toronto Branch; and "Science as an International Force" at Queen's University.

PROF. E. TULVING addressed the Psychology Department staff at McMaster University on Jan. 20, on "Current Problems in the Theory of Verbal Learning".

PROF. G. MACDONALD spoke at McMaster University on Jan. 12, on "The Role of Mathematics in Psychological Theorizing".

PROF. T. GRYGIER attended a conference of the Advisory Committee on Corrections to the Council on Social Work Education in New York City.

PROF. F. P. IDE contributed a paper in the panel discussion "Insecticides and Conservation" at the Entomological Society of Ontario annual meeting at Guelph.

PROF. F. M. HEICHELHEIM has been appointed a member of the Advisory Board of the International Encyclopedia of the Social Sciences.

PROF. JOHN M. ROBSON addressed the Theatre Arts Club on Shaw's "The Apple Cart" on Feb. 5.

Medicine

The Department of Otolaryngology has arranged a clinical meeting in postgraduate otolaryngology in the University for May 11, 12 and 13. The Department staff will be assisted by two guest speakers: DR. PHILIP E. MELTZER, Clinical Professor of Otolaryngology, Harvard Medical School, and Interim Chief of Otolaryngology, Massachusetts Eye and Ear Infirmary, and DR. D. W. HEMENWAY, Associate Professor of Otolaryngology, University of Chicago.

DR. E. A. SELLERS addressed members of the Graduate Course of the Department of Physiology, University of Western Ontario on "Metabolism".

DR. G. H. W. LUCAS attended the Canadian Highways Safety Council meetings in Toronto, also the meetings of the Ontario Medico-Legal Society. He has just completed a three-year term on the Society's Council. Dr. Lucas attended, as a Canadian member, the National Safety Council meeting, also the American Academy of Forensic Science meetings in Chicago, Feb. 23-25.

DR. WERNER KALOW was guest lecturer at the Montreal Physiological Society meeting held at the Royal Victoria Hospital, Montreal, on the topic, "The Effect of Genetic Variation on Drug Responsiveness".

DR. EDUARD SCHÖNBAUM has been invited to address the Department of Biology at Queen's University. His topic will be "Current Research on Cold".

PROF. E. E. F. T. BAER has been appointed an associate editor of *The Canadian Journal of Chemistry*.

MRS. ELIZABETH JACKSON addressed the Ontario Dietetic Association on Jan. 25 on "Training of the Disabled Homemaker".

Applied Science and Engineering

PROF. W. H. RAPSON presented a paper on "Colour Reversion of Bleached Pulps" at the annual meeting of the Technical Section, Canadian Pulp and Paper Association in Montreal, Jan. 24-27, and was co-author of a paper on "Grafting of Polymers onto Cellulose" presented by R. Y-M. HUANG. Dr. Rapson also presented a paper on "Carbonyl Groups and Brightness Reversion" at the annual meeting of the Technical Association, Pulp and Paper Industry in New York, Feb. 20-23, and was co-author of a paper on "Mill Operation of the R-2 Chlorine Dioxide Process" with H. D. PARTRIDGE.

PROF. A. I. JOHNSON spoke to the Kingston and Brockville Sections, Chemical Institute of Canada on "The Analog Computer in Chemical Engineering Calculations". His talk was illustrated by a colour movie produced in the Department of Chemical Engineering by Profs. Johnson and MacElhinney.

The Faculty has completed its series of "Saturday Morning Lectures in Science and Engineering" for 1960-61. Lecturers for the four winter lectures were PROFS. J. L. YEN, V. L. HENDERSON, M. M. DAVIS, W. G. MACELHINNEY and A. I. JOHNSON.

PROF. W. L. SAGAR and COL. W. S. WILSON have been honoured by receiving a life

membership in the Engineering Institute of Canada.

PROF. J. E. REID, G. R. SLEMON, P. P. BIRINGER, and W. JANISCHEWSKYJ attended the winter general meeting of the American Institute of Electrical Engineers in New York, Jan. 30-Feb. 3. Dr. Slemmon presented a paper entitled "On the Process of Flux Reversal in Multiaperture Ferrite Cores".

PROF. G. B. CRAIG will lecture on "X-rays in Metallurgy" to the Canadian Association for Applied Spectroscopy on Feb. 22.

PROF. W. C. WINEGARD gave a lecture on "Solidification of Eutectics" to the Metallurgy Graduate Group at Harvard University on Feb. 15.

PROF. H. R. RICE delivered an address on his observations in Russia at the Ontario Food Brokers' Association annual meeting, to the Canadian Institute of Mining and Metallurgy, Sudbury Branch, and to the Miller Geology Club, Queen's University.

DR. G. N. PATTERSON attended the meeting of the Associate Committee for Gasdynamics Research held at McGill University on Jan. 20, and the American Physical Society meetings in New York Feb. 1-4. During this time he attended a meeting of the Board of Editors of the *Physics of Fluids Journal*. He visited the Grumman and Republic Aircraft companies in connection with hypersonics research and also the Air Force Office of Scientific Research in connection with research programs at the Institute of Aerophysics.

DR. I. I. GLASS attended the American Physical Society meetings in New York and visited the General Electric Company, Space Science Laboratories, Philadelphia, the aerophysics laboratories at the Grumman Aircraft Company and those at the Republic Aircraft Company, Long Island, Feb. 1-6, to discuss hypersonic flow problems and high-temperature gasdynamics research.

PROF. B. ETKIN attended the Institute of Aerospace Sciences annual meeting in New York, Jan. 23-25.

DR. G. K. KORBACHER attended the Institute of Aeronautical Sciences annual meeting in New York, Jan. 22-25.

DR. R. C. JERVIS visited the University of British Columbia, Jan. 27-Feb. 3, and lectured on "Nuclear Techniques of Crime Detection" to the Engineering Institute Chapter, on "Nuclear Radioactivation" to the Engineering Physics Society, and on "Nuclear Chemistry Today" to a joint meeting of the American Institute of Chemical Engineers and Chemical Institute of Canada Chapters. He also presented a special series

of lectures on "Christianity for the Practical Man" to engineers and science students during a Christian mission to the University.

DR. L. E. JONES spoke on Jan. 19 before the Annual Conference of Inspectors, Ontario Department of Labour, on the topic "Communicating with People". Dr. Jones and Dr. D. V. Anderson are representing the University at the Second Canadian Symposium on Hydrology (general topic: "Evaporation") to be held on March 1 and 2.

Appointment

PROF. W. T. EASTERBROOK has been appointed chairman of the Department of Political Economy from July 1 next, succeeding PROF. C. A. ASHLEY, who will remain on the teaching staff. Prof. Easterbrook is a graduate of the University of Manitoba, with a Ph.D. from Toronto. He taught at Brandon College and the University of Manitoba until 1947, when he joined the staff here. In 1955-56 he was a visiting professor of American History at Cambridge University.

Hygiene

DR. D. M. MCLEAN delivered a talk on "Enteroviruses" at the Peterborough Medical Society meeting on Feb. 22. Dr. McLean attended the Canadian Society for Clinical Investigation meetings on Jan. 18, and the Royal College of Physicians and Surgeons of Canada meetings, Jan. 19-21 in Ottawa. He presented a paper entitled "Diseases in Nature Communicable to Man" in the Division of Medicine of the latter society. Dr. McLean will present a paper on "Silver-water Virus" at the American Association of Immunologists meeting in Atlantic City, on April 11.

DR. JOHN HASTINGS spoke on "Scandinavian Health Plans" to the Ontario Medical Association, Scarboro branch, in December. At the end of January, Dr. Hastings spent a week in Seattle, San Francisco, and Los Angeles studying group practice health insurance plans. On Feb. 8, Dr. Hastings gave a report on his recent W.H.O. trip to a joint meeting of the Academy of Medicine and the Public Health Refresher course, and on Feb. 22 gave an address to an open meeting of the Social Planning Council of Metropolitan Toronto.

SPECIAL CONVOCATION AND LECTURES FOR GALBRAITH BUILDING OPENING

PAUL G. HOFFMAN, managing director of the United Nations Special Fund, will receive an honorary degree and give the address at a Special Convocation on the evening of March 6. Four prominent engineers also will be honoured at the Convocation, part of opening ceremonies for the Galbraith Building.

The building itself will be opened officially by the Lieutenant Governor of Ontario, the HON. J. KEILLER MACKAY, at 4 p.m. on Tuesday, March 7.

In the morning of March 7, three special lectures will be given simultaneously in the fields of Civil, Electrical and Aeronautical Engineering. These departments will occupy the new structure.

MR. HOFFMAN is the first managing director of the new U.N. special agency designed to aid investment in underdeveloped countries. He served as first administrator of the Economic Co-operation Administration (the Marshall Plan) from 1948 to 1950; president of the Ford Foundation from 1951 to 1953; and Chairman of the Board of Studebaker-Packard Corporation from 1954 to 1956. He also helped organize the automotive Safety Foundation and served as its chairman from 1946 to 1948.

Others receiving honorary degrees will be:

WILLIAM PERCY DOBSON, who was director of research for the Ontario Hydro-Electric Power Commission until his retirement in 1955, and subsequently served as research consultant and liaison officer for nuclear studies for the Commission. During his regime, the staff in Ontario Hydro Laboratories grew in number from seven to 300. He has also been active in standardization since 1919 and now is chairman of the Administrative Board of the Canadian Standards Association Testing Laboratories.

HENRI GAUDEFEY, dean of Ecole Polytechnique (the Faculty of Engineering of the University of Montreal) since 1953.

JOHN HAMILTON PARKIN, director of the Division of Mechanical Engineering, National Research Council, since 1937, and since 1951 director of the National Aeronautical Establishment. During the 1920's Mr. Parkin established at the University of Toronto what was almost certainly the first wind tunnel at any Canadian university, and thus was the father of Toronto's internationally-respected Institute of Aerophysics.

JOHN BERTRAM STIRLING, president of E. G. M. Cape & Company, engineers and contractors. He is a past president of the Engineering Institute of Canada and last year was installed as Chancellor of Queen's University. He was chosen to receive an honorary degree primarily as an outstanding practising engineer.

The special lectures all will begin at 10.30 a.m. March 7. They will be:

"Civil Engineering—Yesterday, Today and Tomorrow", by ROBERT F. LEGGET, director of the Division of Building Research, National Research Council, in Room 1035, Wallberg Building.

"The Many Problems of Communication Satellites", by DR. J. R. PIERCE, director of research communications principles, Bell Telephone Laboratories, in Room 102, Mechanical Building.

"Hypervelocity Re-entry Studies at Canadian Armament Research and Development Establishment, Defence Research Board", by DR. C. V. BULL of the D.R.B. Aerophysics Wing, in Room 120, Galbraith Building.

The Galbraith Building on St. George street just north of College street, houses Civil, Electrical and Aeronautical Engineering and the administrative offices for the Faculty of Applied Science and Engineering. The University has allocated \$7,000,000 for its construction and equipment, and for renovation of existing buildings for Applied Science and Engineering.

For Civil and Electrical Engineering, the

Galbraith Building represents the first additional space since their old building was constructed 40 years ago. In addition to modern, expanded office and teaching space, these departments now will have much greater facilities for research.

Civil Engineering will have equipment for studying dynamic loading unparalleled on any Canadian campus. Its other new facilities include a 1,000,000 lb. universal testing machine capable of testing members up to 20 feet in length in tension or compression, and up to 50 feet in length in bending, and a modern photostress laboratory for study of buildings, bridges and structural materials under static and dynamic loading. The building brings together sections of the Civil Engineering department now spread over three buildings.

New Electrical Engineering facilities include an antenna laboratory in a penthouse and a computer area housing both a digital and an analog computer. Both departments now will be able to provide adequate space for staff and graduate students; in the old building as many as 13 staff members shared a single large office.

While facilities will expand, class size will diminish. The largest lecture rooms in the building seat 100 students, while the long, narrow theatres of the old Electrical Building held 130. The new lecture rooms are designed to give a sense of intimacy, according to one professor who has been using them.

In the laboratories, increased facilities and space will result in smaller undergraduate parties. Civil Engineering, for example, plans to reduce its lab groups to four or five students each.

The Galbraith Building is named after JOHN GALBRAITH, Ontario's first Professor of Engineering in 1878, first Principal of the School of Practical Science and, after that body became part of the University of Toronto in 1906, first Dean of the Faculty of Applied Science and Engineering. He died in that office in 1914, after guiding Ontario engineering education for 36 years.

When S.P.S. opened in 1878, Professor Galbraith was made responsible for all its engineering training—and at one point was teaching 14 separate courses in civil, mechanical and mining engineering, as well as supervising drafting and field work! Other professors lectured in the science and mathematics.

It was said that if he had decided to leave education—and he had many lucrative offers from business—he could have become one of Canada's most successful engineers.

Music

PROF. OSKAR MORAWETZ' *Toccata* has been included by the well-known American pianist, Anton Kuerti, in all his recitals abroad and in Canada. His songs have been heard recently in Paris in a recital by Jeanne Secondi, a member of the Paris Opera, and in a broadcast of contemporary music in Prague. They will be performed in the spring by Pierette Alarie in Montreal, and by Jennifer Vyvian on the B.B.C. In Canada his *Dirge* for orchestra, dedicated to the memory of Elie Spivak, will be performed in March by the Victoria Symphony Orchestra, and his *Fantasy for Orchestra* on the C.B.C. under the direction of Ettore Mazzoleni. His *Second Symphony*, commissioned by the Canada Council, will be broadcast in April by Victor Feldbrill.

Architecture

On Jan. 9 and 10 DR. THOMAS HOWARTH directed a seminar for architects, producers of building materials, and sales managers, organized by the Royal Architectural Institute of Canada and the Canadian Construction Association at the Guild Inn. Sixty participants attended by invitation. Dr. Howarth gave two lectures at the School of Architecture, Clemson College, South Carolina, Feb. 14 and 15, on "Art Nouveau and the Modern Movement" and "University Architecture", a critical appraisal of campus planning and buildings.

Education

DEAN B. C. DILTZ addressed the Vice-Principals of the Metropolitan secondary schools on "Teacher Certification" on Feb. 22.

DR. WILLARD BREHAUT attended the annual convention of the American Educational Research Association in Chicago, Feb. 22-25, and participated in the work of its committee on Research Promotion.

On Feb. 9 and 10 PROF. G. E. FLOWER addressed the annual convention of the Alberta Teachers' Association in Calgary on "Revolution and Responsibility" and "The Servant of All our Purposes". On Feb. 18 he addressed the Winter Conference of the Federation of Women Teachers' Associations of Ontario on "Freedom—And Responsibility—To Teach".

PROF. R. W. B. JACKSON addressed the Senate of the University of Toronto on Jan. 13 on "The Utilization of Student Resources". On Feb. 2 he attended the inaugural meeting of the Canadian Council for Research in Education at Ottawa. With DR. J. F. FLOWERS he conducted a series of lectures and workshops on "Measurement" for the Etobicoke School Principals' In-Service Training Program.

PROF. J. H. PASSMORE spoke on "Teacher Education at a Secondary School Level" at Assumption College, Windsor, on Feb. 1.

DR. HUGH SAVAGE spoke to the Scarborough Public School Teachers' In-Service Training Course on Feb. 9 on "Research in the Teaching of the Language Arts".

PROF. J. C. SPRY recently completed a visit to the Faculties of Education at the University of Alberta in Calgary and at the University of British Columbia in Vancouver under the auspices of the Canadian Education Association. The purpose of the visit was to investigate the training of technical and industrial arts teachers in the B.Ed. programs in those universities.

PROF. P. H. TACON addressed the Western Art Association on "Meanings in Modern Painting".

"Torontonensis" for 1901?

The Students' Administrative Council has a complete record of the University of Toronto Year Book, *Torontonensis*, except for the year 1901. Will anyone who can help in obtaining a copy of this issue please telephone the S.A.C. at WA 3-6221?

Exhibitions

Exhibition of Water Colors by Gordon MacNamara. Alumni Hall, Victoria College. Until March 22.

The Maritime Provinces Pictured: 1750-1850. Canadiana Gallery. Until April 30.

Exhibition of work by Canadian painters-etchers and engravers. Museum alcoves north and south of Lee Collection. To March 12. Demonstration of print-making from 2.30 to 3.30 p.m. on Sunday, March 5.

13th annual exhibition of Advertising and Editorial Art. Museum's Exhibition Hall. Until March 12.

Canadian Ceramics of 1961. Museum's Exhibition Hall. April 5 to May 7, inc.

Pharmacy

PROF. H. J. FULLER will present a paper, "Ferment in Pharmacy" on March 19 at the Alpha Zeta Omega Pharmaceutical Symposium, Hartford, Conn. At the Conference of Teachers, American Association of Colleges of Pharmacy, meeting in Chicago the week of April 23, he will address the Section of Pharmacy Administration on "Teaching the Functions of Marketing". He will participate in a panel discussion on "Generic Drugs" at the convention of the American College of Apothecaries on June 24.

Extension

DR. D. C. WILLIAMS attended the annual meeting of the Ontario Psychological Association in Hamilton, Feb. 10 and 11. On Feb. 18 he addressed the Paracelsus Club of Toronto; and on Feb. 22 he spoke on "Leadership" to the R.C.A.F. Staff College.

Child Study

DR. R. G. N. LAIDLAW participated in a panel on "Objectives of the Experimental and Developmental Approaches to Child Psychology" at the Ontario Psychological Association Conference in Hamilton on Feb. 11.

DR. K. S. BERNHARDT addressed the Federation of Women Teachers' Associations of Ontario on the subject of "Freedom and Responsibility" on Feb. 18.

DR. MARY L. NORTHWAY will be guest speaker at the Ontario Camping Association Conference on March 24. Her subject will be "The Camper-1961".

At the Easter Convention of the Ontario Education Association, DR. BERNHARDT will address the Home Economics Section on April 3 on "Child Development and Family Living in a Home Economics Program"; and DR. NORTHWAY will address the Special Education Section on April 6 on "Social Adjustment of the Exceptional Child".

A team of staff members of the Institute, chaired by DR. BERNHARDT, will be conference leaders at the annual Nursery Education Association of Ontario Conference, to be held on May 26 and 27 on the campus. Conference theme is "Early Foundations for Mental Health".

Forestry

PROF. K. A. ARMSON addressed the Botany Club of the Toronto Field Naturalists on "Problems in Reforestation" on Jan. 19.

PROF. ARMSON was elected vice-president of the Ontario Forestry Association at their annual meeting on Jan. 26.

PROF. R. C. HOSIE gave the keynote address, "The Serious Sixties", at the 5th annual meeting of the Ontario Professional Foresters Association on Jan. 23.

DEAN J. W. B. SISAM was chairman of a panel discussion entitled "Recent Utilization Developments" at the 53rd Annual Convention, Canadian Lumbermen's Association, held in Montreal, Feb. 14.

Social Work

DR. ELIZABETH GOVAN has been appointed to undertake a study of the London and Middlesex County Children's Aid Society.

DR. TADEUSZ CRYGIER has been appointed to the Committee on Staff Training of the Canadian Corrections Association of the Canadian Welfare Council.

MR. BERNARD LAPPIN has been appointed chairman, Job Description Committee, Social Planning Council of Metropolitan Toronto.

DR. STUART JAFFARY spoke to members of the Training Course for Volunteers, Elizabeth Fry Society, Toronto, on "Introduction to the Field of Corrections". Dr. Jaffary has been re-appointed to the Board of the Ontario Welfare Council for a three-year term.

PROF. JOHN MORGAN attended the International Congress of Schools of Social Work, as Treasurer of that body, and the International Conference of Social Work, in Rome, January 4-14. At the request of the Finnish Ministry of Social Affairs to the European Social Welfare Programme Section of the United Nations in Geneva, Prof. Morgan was assigned to Finland to make his services available to the Finnish Technical Assistance Committee for Social Welfare. Prof. Morgan lectured to the Social Policy Association of Finland on "The Present-Day Clientele of Public Social Welfare", in Helsinki; to the Finnish Seminar of Senior Welfare Officers on "Objectives and Programme Planning in Social Welfare", in Matinkylä. He led workshops sponsored by the Government of Switzerland for the Swiss School of Social Work, Geneva, on "The Teaching of Administration in the Social

Work Curriculum"; by the Social Science Faculty of the University of Helsinki on "Social Work Education"; and by the Government of Finland in Matinkylä on "Objectives and Administrative Problems of Welfare". He has been appointed consultant to the League of Red Cross Societies, Geneva; to the Government of Finland; to the Save the Children Association of Finland; to the Alcohol Clinic Foundation of Finland; and to the Social Work Division of the School of Nursing, Helsinki.

DR. ALBERT ROSE attended the annual meeting of the Council on Social Work Education in Montreal, Jan. 30-Feb. 4 as a member of the Research Committee of the Council.

Royal Ontario Museum

DR. E. J. CROSSMAN recently addressed the Brody Club on "Research in Esocids" as an example of modern taxonomic and systematic approach.

DR. W. B. SCOTT attended the annual meetings of the Ontario Council of Commercial Fisheries at which he gave the banquet address. His topic was "Newfoundland's Freshwater Fishery Resources".

DR. A. G. EDMUND gave an illustrated lecture on "Hunting Fossil Animals in Peru" to about 250 members of the Federation of Ontario Naturalists on Feb. 6.

Last week saw the publication of "Tooth phenomena in the lower vertebrates", Cont. 52, R.O.M. Life Sciences Division. This traces the evolution of tooth replacement sequences and methods from the Devonian period up to the present day, and from primitive fish to man. With 190 pages and 58 figures, it should serve to stimulate further research in comparative dental anatomy.

DR. V. B. MEEN has recently addressed the following groups: Royal Canadian Institute; Canadian Gemmological Association; and the District of Columbia Mineralogical Society on the subject, "Burma, Land of the Ruby and Jade".

DR. WALTER M. TOVELL has recently addressed the Don Valley Conservation Club on "Why We Should Preserve Our Valleys".

HENRY TRUBNER will give the following lectures: "Han Pictorial Design" in the spring lecture series of the Freer Gallery, Washington, D.C. and at Asia House, New York; "Early Chinese Pictorial Art" at the National Gallery, Ottawa.

The Press

The following publications have been published by the Press since the February issue of the *Bulletin*:

The Birth of Western Canada: A History of the Riel Rebellions. By George F. G. Stanley. \$6.95.

Foreign Exchange in Canada: An Outline (Third edition). By Sidney A. Shepherd. \$5.95.

Archaeology in China. By Cheng Té-K'un. Volume I, *Prehistoric China*, \$6.00; Volume II, *Shang China*, \$12.00.

Kernicterus: Report Based on a symposium held at the IX International Congress of Paediatrics, Montreal, July 1959. Edited by Andrew Sass-Kortsak. \$8.50.

Transactions of the American Ophthalmological Society, 1960. \$10.00.

American Opinion about Russia, 1917-1920. By Leonid I. Strakhovsky. \$4.75.

The Hindu Family in its Urban Setting. By Aileen D. Ross. \$7.50.

Canadian Journal of Economics and Political Science. Volume XXVII, No. 1: February, 1961.

Canadian Journal of Theology. Volume VII, No. 1: January, 1961.

The Library

The book-delivery service to professors has been extended, on a trial basis, to carry books which are housed in departmental libraries. A member of the teaching staff who wishes to borrow a volume from a departmental library should make his request by telephone to the person in charge of that library.

The delivery service which now reaches 35 "stations" in the University, carried 991 loans and returns in January.

Business

PROF. M. S. MOYER attended the Winter Conference of the American Marketing Association held in St. Louis in December.

PROF. J. V. POAPST participated in a panel presentation and discussion on "The Impact of Pension Funds upon the Canadian Economy" at the January meeting of the Montreal Economics Association.

R. PRESCRAVE organized and presided over plenary session of Canadian Textile Conference discussing the future of manufacturing in Canada, at Montreal on Feb. 8.

PROF. J. C. SAWATSKY participated in a symposium on "Industrial Psychology: Its Concepts and Practice" at the Ontario Psychological Association annual meeting in Hamilton on Feb. 11. He read a paper on "Mental Health Implications of Voluntary and Involuntary Migration" at the Forensic Clinic, Toronto Psychiatric Hospital on Feb. 14.

Obituaries

The death occurred on Jan. 24 of PROFESSOR B. DAVISON, Associate Professor of Physics, who had been on the University staff since September, 1954.

DR. W. J. DUNLOP, Director Emeritus of the Department of University Extension, died on Feb. 2. Dr. Dunlop joined the University staff in 1910. Following his retirement in 1951 he became Minister of Education for the Province.

October Copy

This is the last issue of the *Bulletin* in the current session. Copy for the October, 1961, issue must reach the Department of Information, Room 226, Simcoe Hall (WA 3-6611, ext. 232) by Sept. 18.

